

## ABSTRACT OF THE DISCLOSURE

A system, method and computer program product for profiling a digital image sensor at production time and editing images generated by the digital image sensor according to the profile. The method exposes a digital image sensor with an array of photosites to a plurality of test cards, compares the image generated by one or more of the photosites in the array, based on the exposure to each test card, to an expected image signal result for each test card, and generates a profile of the digital image sensor based on the comparison. After the digital image sensor records an image, a processor internal or external to the digital image sensor adjusts the recorded image according to the stored profile and a compensation algorithm.